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| Lopoco | Ultra-efficient servers  **Lopoco**  **900 E. Hamilton Ave.**  **STE180**  **Campbell, CA. 95008**  [**www.lopoco.com**](http://www.lopoco.com/)  **Andy Sharp;** [**andy@lopoco.com**](mailto:andy@lopoco.com)  **Ken Cannizzaro;** [**ken@inventergy.com**](mailto:ken@inventergy.com)  **Funding: Self**  **Competitive Advantages:**   * Highly efficient, low-power servers built with existing technology. * Significant savings in deployment costs, power, HVAC with increases in rack density   **Status**   * Products available and shipping   **Ask:** TBD  **Use of Proceeds**   * Funding company operations and manufacturing * Building out Intellectual Property coverage   **Sales Motions**   * Acquisition by strategic * Invest in company as going concern   **References**   * <http://lopoco.net/white-papers/TheNewNormalWhitePaper.html> * <http://www.crn.com/slide-shows/data-center/240164479/the-10-coolest-servers-of-2013.htm/pgno/4/5> | **Problem – Energy, HVAC and rack-space conservation, server utilization efficiency.**  **Executive Summary**  Lopoco designs and manufactures ultra-efficient, green-tech servers which use 75% less energy and 50% less space than conventional servers – providing energy and cost savings without sacrificing performance. Lopoco servers are built on proven, available technology without costly custom chips and non-conforming form factors. By lowering HVAC requirements of server installations, Lopoco offers significant cost savings while providing expansion value to companies whose data centers are at or approaching maximum HVAC or power capacity.  **Technology Attributes**   * Lopoco servers are engineered for energy efficiency, rack-space density and low power consumption through the selection of off-the-shelf energy-efficient components, reduction or elimination of power-hungry performance features and engineering the overall solution for efficiency and power savings. * Lopoco has found that substantial savings in the cost of supplying power and cooling, along with increased server density per rack can be achieved with no noticeable performance degradation for typical server applications such as hadoop, docker, email serving, database, web-serving (Apache/IIS/PHP/Java), file-sharing, and web-proxy-cache. * Lopoco servers do not require custom ASICs or multi-node designs but rather use convention technology such as Intel Atom or Xeon E-series multi-core CPUs, SDD or HDD drives and DDR3/4 memory configurations. * Lopoco servers’ achievement of much higher server densities per rack with much lower power and cooling requirements provide advantages in throughput as well as in VM deployment efficiencies. * Lopoco currently offers a configurable selection of 16,12,8,4 core, 1U servers based on Intel E series processors and 8 core micro-servers based on Intel Avoton Series processors and a fan-less server family based on Intel Atom series processors. * Customers can choose between AC or DC power for all server models * Multiple Contract Manufacturers for supply assurance   **Market Opportunities**   * Large server-centric cloud base businesses with large data centers * 10,000 servers / quarter yields approximately $200-$300M in annual revenues   **Intellectual Property**   * Trade secrets and technical know how   **Team**   * Andy Sharp, CEO * Peter Theunis, CTO * Jack Mills, VP Engineering |

**Typical Solution vs Lopoco Comparison**

